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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/459,522	12/13/1999	CHET M. CRUMP	041861-01500	1246

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EXAMINER

EREZO, DARWIN P

ART UNIT	PAPER NUMBER
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3761

DATE MAILED: 02/12/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/459,522

Applicant(s)

CRUMP ET AL.

Examiner

Darwin P. Erez

Art Unit

3761

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 13 November 2001.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-17 and 19-25 is/are rejected.
- 7) ☒ Claim(s) 18 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 7.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Response to Arguments***

1. Applicant's arguments filed December 6, 2001 have been fully considered but they are not persuasive.
2. As to Claims 1, 11 and 15, the Applicants argue that US 5,490,503 to Hollister does not teach a valve comprising at least one protrusion. However, as best seen in Fig. 4, the valve of Hollister does have protrusions as best illustrated by reference numbers **82, 84, and 92**. Furthermore, Hollister discloses the use of duckbill valves, which inherently have protrusions represented by the duckbill.
3. As to Claims 2-10, 12-14, 16, 17, 20 and 21, see above noted response.

### ***Terminal Disclaimer***

4. The terminal disclaimer filed on December 6, 2001 has been reviewed and is NOT accepted because the serial number of the application being disclaimed by the Applicants do not correspond to the number of the US application nor the patent number which was cited by the Examiner as the basis for the double patent rejection.

### ***Information Disclosure Statement***

5. The information disclosure statement filed 5/22/01 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each U.S. and foreign patent; each publication or that portion which caused it to be listed; and all other information or that

portion which caused it to be listed. It has been placed in the application file, but the information referred to therein has not been considered.

### ***Double Patenting***

6. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

7. **Claims 1, 4-7, 19; 2; 3; 8; 9; 11, 12; 13; 14; 15, 16; 17; 20; 22-25 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1; 19; 16; 21; 6; 16; 16, 17; 16, 17, 18; 29, 30; 21, 29, 30; 29, 30, 32; 27 of U.S. Patent No. 6, 227,200, respectively, and in view of U.S. Patent No. 6,168,758 to Forsberg et al.** Although the conflicting claims are not identical, they are not patentably distinct from each other because the structural limitations claimed in the instant application are also claimed in the patent, e.g., an apparatus comprising a catheter, a manifold, a valve disposed in the manifold, a catch disposed in the manifold, a valve comprising a flap, a flap with at least one protrusion, a valve with an open and closed position, a valve with an aperture, a collar in the

manifold, a flap configured to frictionally engage the distal end of the catheter, a first and second wiper seal, a valve with a pivotable flap, and including similar functional limitations set forth by the Applicant in the instant application and the patent.

The difference between Crump et al. and Claim 22 is the valve comprising at least one injection molded medical grade synthetic resin.

Forsberg et al. discloses a liquid assay device comprising a valve composed of polyether block amides (col. 6, lines 38-49).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use any well known material, including the polyether block amides of Forsberg et al, because it is a mere substitution of one valve material for another. Also, it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of choice. *Sinclair & Carroll Co. V. Interchemical Corp.*, 327, 65 USPQ 297 (1945) also note *In re Leshin*, 227 F.2d 197, 125 USPQ 416 (CCPA 1960).

**Claims 23-25** are equivalent in scope to Claim 22 discussed above and are included in Crump et al. modified by Forsberg et al.

### ***Claim Rejections - 35 USC § 102***

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

9. Claim 1, 11 and 15 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,490,503 to Hollister.

10. **As to Claims 1, 11 and 15**, Hollister discloses an apparatus comprising a suction catheter **1** configured for removing fluids from a respiratory tract of a patient and having a distal end configured for suctioning secretions from the respiratory system of a patient; a protective sleeve **2** surrounding a proximal longitudinal portion of the catheter; a manifold **4** defining a ventilation circuit disposed in communication with the catheter to be advanced through the ventilation circuit of the manifold and into the respiratory tract of the patient; and a valve **70** disposed in the manifold, the valve being configured to selectively limit the withdrawal of air from the ventilation circuit and for at least partially occluding the distal end of the catheter, the valve being capable to frictionally engage the distal end (col. 2, lines 1-45), wherein the valve comprises at least one protrusion **82, 84** on at least one surface of the valve.

***Claim Rejections - 35 USC § 103***

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. Claims 2, 5, 7-10, 12, 16 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hollister in view of U.S. Patent No. 5,582,161 to Kee.

13. **As to Claim 2**, Hollister discloses all the limitations of the above mentioned claims but fails to teach a valve comprising a flap movable between a first, distal position, and a second, proximal position.

Kee discloses a valve comprising a flap **20** movable between a first, distal position, and a second, proximal position (col. 4, lines 49-61).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to employ the valve of Kee to that of Hollister because the valve of Kee is capable of closing off the distal end of the adapter to increase sanitary protection (col. 2, lines 6-10; col. 3, lines 54-60).

14. **As to Claim 5 and 16**, the combination of Hollister and Kee discloses a flap pivotally connected to the manifold and disposed to selectively separate the distal end of the catheter.

15. **As to Claim 7**, the above combination discloses a valve with an open and closed positions and wherein friction maintains the valve in a nearly closed position (the flaps **20** are pushed against each other).

16. **As to Claim 8 and 17**, Kee teaches a valve with an aperture and the flaps **20** covering the aperture (col. 4, lines 50-53).

17. **As to Claim 9**, Hollister teaches an apparatus comprising a collar **50** disposed in the manifold and wherein an orifice is formed in the collar.

18. **As to Claim 10**, Hollister teaches a collar **50** including a port **62** for injecting liquid into the collar.

19. **As to Claim 12**, Hollister teaches a first and second wiper seal disposed about the catheter when the catheter is advanced in the manifold (Fig. 4, 80).

***Allowable Subject Matter***

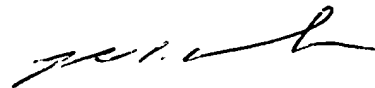
20. Claim 18 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Darwin P. Erez who's telephone number is (703) 605-0420. The examiner can normally be reached on M-F (8:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Weiss can be reached on (703) 308-2702. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9302 for regular communications and (703) 872-9303 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0858.



John G. Weiss  
Supervisory Patent Examiner  
Group 3700

dpe  
February 8, 2002